

Serial No: 09/617,564
Docket No. GSH 08-886639
Amendment B Under Rule 116

AMENDMENTS TO THE CLAIMS:

Kindly amend claim 5, as shown below.

This listing of claims will replace all prior versions and listings of claims in the
Application:

Claim 1 (previously presented): A method of resetting an array of active pixel sensors (APS) during a reset cycle wherein the sensors are arranged in rows and columns and formed into groups each having one or more sensors, comprising the steps of:

- (a) pre-resetting the sensors in the array by sequentially applying a voltage to the groups of one or more sensors; and
- (b) subsequently resetting the sensors in the array by applying a predetermined reset voltage to all of the sensors substantially simultaneously.

Claim 2 (original): A method as claimed in claim 1 wherein each group comprises one or more rows of sensors.

Claim 3 (original): A method as claimed in claim 1 wherein each group comprises one or more columns of sensors.

Claim 4 (previously presented): A method as claimed in claim 1 wherein step (a) includes

- (a.i) detecting the bias voltage level of the sensor array;
- (a.ii) selecting the number of sensors in the groups as a function of the bias voltage detected.

Claim 5 (currently amended): Apparatus for resetting an array of active pixel sensors (APS) during a reset cycle wherein the sensors are arranged in rows and columns and formed

HAYES SOLOWAY P.C.
130 W. CUSHING STREET
TUCSON, AZ 85701
TEL 520.882.7623
FAX 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL 603.668.1400
FAX 603.668.8567

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into groups each having one or more sensors, comprising:

- (a) a controller coupled to the sensor array for sequentially applying a pre-reset voltage to the groups of one or more sensors in the array[[],]; and
- (b) a controller coupled to the sensor array for subsequently resetting all of the sensors in the array by applying a predetermined reset voltage to all of the sensors substantially simultaneously.

Claim 6 (previously presented): Apparatus as claimed in claim 5 which further includes:

- (c) a detector for detecting the bias voltage of the sensor array; and
- (d) the controller being coupled to the voltage detector for determining the number of sensors in each group being pre-reset.

Claim 7 (original): Apparatus as claimed in claim 6 wherein each group comprises one or more rows of sensors.

Claim 8 (original): Apparatus as claimed in claim 6 wherein each group comprises one or more columns of sensors.

Claim 9 (previously presented): A method of resetting an array of active pixel sensors (APS) arranged in rows and columns, comprising the steps of:

- (a) pre-resetting the sensors in the array by sequentially resetting groups of one or more sensors, wherein the pre-resetting step includes:
 - (a.i) detecting the bias voltage level of the sensor array;
 - (a.ii) selecting the number of sensors in the pre-resetting groups as a function of the bias voltage detected; and

HAYES SOLOWAY P.C.
130 W. CUSHING STREET
TUCSON, AZ 85701
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FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.9567

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- (b) resetting all of the sensors at one time.

Claim 10 (previously presented): A method as claimed in claim 9 wherein each group comprises one or more rows of sensors.

Claim 11 (previously presented): A method as claimed in claim 9 wherein each group comprises one or more columns of sensors.

Claim 12 (previously presented): Apparatus for resetting an array of active pixel sensors (APS) arranged in rows and columns, comprising:

- (a) a controller coupled to the sensor array for sequentially pre-resetting groups of one or more sensors in the array, and for simultaneously resetting all of the sensors in the array;
- (b) a detector for detecting the bias voltage of the sensor array; and
- (c) the controller being coupled to the voltage detector for determining the number of sensors in each group being pre-reset.

Claim 13 (previously presented): Apparatus as claimed in claim 12 wherein each group comprises one or more rows of sensors.

Claim 14 (previously presented): Apparatus as claimed in claim 12 wherein each group comprises one or more columns of sensors.

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TUCSON, AZ 85701
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FAX. 520.882.7643

175 CANAL STREET
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TEL. 603.668.1400
FAX. 603.668.8567